

Form 1449 (Modified) Information Disclosure Statement By Applicant (Use Several Sheets if Necessary)	Atty. Docket No. AOL0114 Applicant: Marc S. Hollander, et al. Filing Date: December 10, 2003	Serial No.: 10/733,835 Group: 2155
--	--	---

U.S. Patent Documents

Examiner Initial	No.	Patent No.	Issue Date	Patentee	Class	Sub-class	Filing Date
	1	5,325,238	6/28/1994	Stebbins et al.			
	2	5,517,672	5/14/1996	Reussner et al			
	3	5,528,513	6/18/1996	Vaitzbilt et al			
	4	5,585,866	12/1/1996	Miller et al.			
	5	5,616,876	4/1/1997	Cluts			
	6	5,644,715	7/1/1997	Baughner			
	7			Lee, Howard Hong-Dough			
	8	5,671,195	9/1/1997				
	9	5,734,119	3/3/1998	France et al			
	10	5,761,417	7/28/1998	Henley et al.			
	11	5,784,597	7/1/1998	Chiu et al.			
	12	5,787,482	7/28/1998	Chen et al			
	13	5,792,971	8/11/1998	Timis et al			
	14	5,802,502	9/1/1998	Gell et al			
	15	5,819,160	10/6/1998	Foldare et al			
	16	5,892,900	6/6/1996	Ginter et al			
	17	5,907,827	5/1/1999	Fang et al.			
	18	5,910,987	6/8/1999	Ginter et al			
	19	5,913,039	6/15/1999	Nakamura			
	20	5,915,019	6/22/1999	Ginter et al			
	21	5,917,912	6/29/1999	Ginter et al			
	22	5,920,861	7/6/1999	Hall et al			
	23	5,930,765	7/1/1999	Martin, John R			
	24	5,943,422	8/24/1999	Van Wie et al			
	25	5,944,778	8/31/1999	Takeuchi et al			
	26	5,949,876	9/7/1999	Ginter et al			
	27	5,956,321	9/21/1999	Yao et al			
	28	5,956,491	9/21/1999	Marks			
	29	5,959,945	9/1/1999	Kleiman, Ruben			
	30	5,963,914	10/5/1999	Skinner et al			
	31	5,982,891	11/9/1999	Ginter et al			
	32	5,996,015	11/30/1999	Day et al			
	33	6,029,257	2/22/2000	Palmer			
	34	6,031,797	2/29/2000	Van Ryzin et al			
	35	6,041,354	3/21/2000	Biliris et al			
	36	6,044,398	3/28/2000	Marullo et al			
	37	6,061,722	5/9/2000	Lipa et al			
	38	6,067,562	5/23/2000	Goldman			
	39	6,088,722	7/11/2000	Herz			
	40	6,112,023	8/29/2000	Dave et al			
	41	6,112,181	8/29/2000	Shear et al			
	42	6,138,119	10/24/2000	Hall et al			
		6,157,721	12/5/2000	Shear et al			

43	6,157,940	12/5/2000	Marullo et al			
44	6,160,812	12/1/2000	Bauman et al			
45	6,163,683	12/19/2000	Dunn et al			
46	6,168,481	12/1/1992	Culbertson et al			
47	6,173,325	1/9/2001	Kukreja			
48	6,185,683	2/6/2001	Ginter et al			
49	6,185,701	2/6/2001	Marullo et al			
50	6,192,340	2/20/2001	Abecassis			
51	6,195,701	2/27/2001	Kaiserworth et al			
52	6,199,076	3/6/2001	Logan et al			
53	6,222,530	4/24/2001	Sequiera			
54	6,226,672	5/1/2001	DeMartin et al			
55	6,237,786	5/29/2001	Ginter et al			
56	6,240,185	5/29/2001	Van Wie et al			
57	6,243,328	6/5/2001	Fenner et al			
58	6,243,725	6/5/2001	Hempleman et al			
59	6,247,061	6/12/2001	Douceir			
60	6,248,946	6/19/2001	Dwek			
61	6,253,193	6/26/2001	Ginter et al			
62	6,262,569	7/17/2001	Carr et al			
63	6,263,362	7/17/2001	Donoho et al			
64	6,266,788	7/24/2001	Othmer et al			
65	6,300,880	10/9/2001	Sitnik			
66	6,314,576	11/1/2001	Asamizuya et al.			
67	6,332,163	12/18/2001	Bowman-Amuah			
68	6,356,936	3/12/2002	Donoho et al			
69	6,363,488	3/26/2002	Ginter et al			
70	6,366,914	4/2/2002	Stern			
71	6,389,402	5/14/2002	Ginter et al			
72	6,421,651	7/16/2002	Tedesco et al			
73	6,427,140	7/30/2002	Ginter et al			
74	6,430,537	8/6/2002	Tedesco et al			
75	6,434,621	8/13/2002	Pezzilla et al			
76	6,434,628	8/13/2002	Bowman-Amuah			
77	6,438,450	8/20/2002	DiLorenzo			
78	6,438,630	8/20/2002	DeMoney			
79	6,441,832	8/27/2002	Tao et al			
80	6,446,080	9/3/2002	Van Ryzin et al			
81	6,446,125	9/3/2002	Huang et al			
82	6,446,126	9/3/2002	Huang et al			
83	6,449,367	9/10/2002	Van Wie et al			
84	6,453,316	9/17/2002	Kairbe et al			
85	6,477,541	11/1/2002	Korst et al			
86	6,477,707	11/1/2002	King et al.			
87	6,492,469	12/1/2002	Willis et al			
88	6,496,744	12/17/2002	Cook			
89	6,502,194	12/1/2002	Berman et al.			
90	6,505,160	1/7/2003	Levy et al			
91	6,519,648	2/11/2003	Eyal			
92	6,526,411	2/25/2003	Ward			
93	6,529,586	3/4/2003	Elvins et al			
94	6,536,037	3/18/2003	Guheen et al			
95	6,542,445	4/1/2003	Ijichi et al			
96	6,546,397	4/8/2003	Rempell			

97	6,550,057	4/15/2003	Bowman-Amuah				
98	6,601,041	7/29/2003	Brown et al				
99	6,618,484	9/9/2003	Van Wie et al				
100	6,658,568	12/2/2003	Ginter et al				
101	6,668,325	12/23/2003	Collberg et al				
102	6,772,435	8/1/2004	Thexton et al				
103	6,910,220	6/1/2005	Hickey et al				
104	6,950,623	9/1/2005	Brown et al				
105	7,020,710	3/1/2006	Weber et al				
106	7,020,893	3/1/2006	Connelly, Jay H				
107	7,136,906	11/1/2006	Giocalone Jr., Louis D.				
108	7,185,352	2/1/2007	Halford et al.				
109	6,772,340	8/1/2004	Peinado et al.				
110	6,263,313	7/1/2001	Milsted et al.				
111	6,609,097	8/1/2003	Costello et al.				

Published U.S. Patent Application

Examiner Initial	No.	Document No.	Publication Date	Assignee	Class	Sub-class	Translation	
							Yes	No
	1	2001/0003828	6/14/2001	Peterson et al				
	2	2001/0030660	10/1/2001	Zainouline, Roustem				
	3	2002/0032907	3/1/2002	Daneils John J.				
	4	2002/0059237	5/1/2002	Kumagai et al.				
	5	2002/0059624	5/1/2002	Machida et al				
	6	2002/0068525	6/1/2002	Brown et al.				
	7	2002/0078056	6/20/2002	Hunt et al.				
	8	2002/0082914	6/27/2002	Beyda et al				
	9	2002/0095510	7/1/2002	Sie et al				
	10	2002/0104099	8/2002	Novak, Robert Eustace				
	11	2002/0107968	2/6/2003	Messarina				
	12	2002/0108395	8/15/2002	Fujita et al.				
	13	2002/0152876	10/24/2002	Hughes et al				
	14	2002/0152878	10/24/2002	Akashi				
	15	2002/0198846	12/26/2002	Lao				
	16	2003/0014436	1/16/2003	Spencer, et al.				
	17	2003/0018797	1/23/2003	Dunning et al				
	18	2003/0023973	1/1/2003	Monson et al.				
	19	2003/0023975	1/1/2003	Schrader et al.				
	20	2003/0069768	4/10/2003	Hoffman, et al.				
	21	2003/0121050	6/26/2003	Kalva et al.				
	22	2003/0126275	7/3/2003	Mungavan et al				
	23	2003/0135605	7/17/2003	Pendakur				
	24	2003/0195874	10/16/2003	Ronning et al				
	25	2004/0064507	4/1/2004	Sakata				
	26	2005/0159104	7/1/2005	Valley et al.				
	27	2002/0091761	7/1/2002	Lambert, James P.				
	28	2003/0236906	12/1/2003	Klemets et al.				
	29	2003/0048418	3/1/2003	Hose et al.				
	30	2003/0028893	2/1/2003	H. Addington, Timothy				
	31	2005/0114757	5/1/2005	Sahota et al.				

Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Assignee	Class	Sub-class	Translation Yes	No
	1	EP 1113605A2	7/4/1991	Lucent Technologies				
	2	EP 1187485B1	4/2/2003	Mediabricks AB				
	3	EP 0831608A2	3/25/1998	AT&T Corp.				
	4	EP 0875846A2	11/4/1998	Sony Electronics, Inc.				
	5	EP 0986046A1	3/15/2000	Lucent Technologies				
	6	EP 1286351A2	2/26/2003	Surcouf et al.				
	7	EP 1178487A1	2/6/2002	Shimada et al				
	8	EP 1187423A2	3/13/2002	Watanabe, K.				
	9	EP 1229476A2	8/7/2002	Chatani et al				
	10	EP 1244021A1	9/25/2002	Yamamoto, K.				
	11	EP 1267247A2	12/18/2002	Du, et al.				
	12	WO 02/063414	8/14/2002	Dietsch, K-L.				
	13	WO 01/10496A2	2/15/2001	Rubin et al				
	14	TW 497055	8/1/2002	Tsais				
	15	JP 2002318587	10/31/2002	Akashit				
	16	JP 2002108395	4/10/2002	Kobe Steel Ltd				
	17	JP 2003069768	3/7/2003	Ricoh KK				

Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
	1	A Network Flow Model for Playlist Generation; Department of Electrical Engineering, University of Minnesota
	2	Learning a Gaussian Process Prior for Automatically Generating Music Playlists; Microsoft Corporation
	3	Easyliving Technologies for Intelligent Environments; Microsoft Research
	4	Intelligent Multicast Internet Radio; University of Dublin
	5	Flytrap: Intelligent Group Music Recommendation; IUI 02, 2002 International Conference on Intelligent User Interfaces;
	6	Virtual Jukebox; rethinking a classic; Proceedings of the 35th Annual Hawaii International Conference on System Sciences, P. 887-93
	7	The MP3 Revolution; IEEE Intelligent Systems vol 14, no 3, p. 8-9.
	8	The Valid Web: an Infrastructure for Temporal Management of Web Documents; ADVIS 2000; Lecture Notes in Computer Science, Vol 1909, p. 294-303, Izmir, Turkey; pub: Springer-Verlag; 2000; xvi-460pp.; Germany
	9	Usability Studies and Designing Navigational Aids for the World Wide Web; 6th Intl World Wide Web Conf.; Santa Clara, CA; USA; Pub: Elsevier Comput. Netw. ISDN Syste; vol 29, no. 8-13, p.1489-98; Sept 1997; Netherlands
	10	"Web based Protection and Secure Distribution for Digital Music", Proceedings, International Conference on Internet and Multimedia Systems and Applications pg 102-107, Hawaii, USA
	11	Apple's iTunes Music Store - http://www.apple.com/music/store
	12	Conference Paper: IP Data Over Satellite to Cable Headends and a New Operation Model with Digital Store and Forward Multi-Media System
	13	Cognitiated CPU and Event Scheduling for Distributed Multimedia Applications.; ACM Multimedia; Ottawa, Canada
	14	"Packet Synchronization Recovery Circuit" Vol 16, No 294, P.120
	15	HODSON, O., PERKINS, C., HARDMAN, V., "Skew detection and compensation for Internet audio application" Part vol.3, p.1687-90, 2000 IEEE International Conference on Multimedia Proceedings, USA
	16	AURRECOEACHEA, C., CAMPBELL, A., HAUW, L., "A Survey of QoS Architectures", Columbia University, New York

17	CEN, S., PU, R., STAEHI, R., WALPOLE, J., "A Distributed Real-Time MPEG Video Audio Player", Dept of Computer Science and Engineering, Oregon Graduate Institute of Science and Technology
18	MANOUSELIS, N., KARAMPIPERIS, P., VARDIAMBASIS, I.O., MARAS, A., "Digital Audio Broadcasting Systems under a QoS Perspective", Telecommunications Laboratory, Dept. of Electronics & Computer Engineering, Technical University of Crete, Greece
19	Helix Universal Gateway Configuration Guide, RealNetworks Technical Blueprint Series
20	SION, R., ELMAGARMID, A., PRABHAKAR, S., REZGUI, A., "Challenges in designing a QoS aware Media Repository (working draft)", Computer Science, Purdue University, IN
21	CHEN, Z., TAN, S.-M., CAMPBELL, R., LI, Y., "Real Time Video and Audio in the World Wide Web", Dept. of Computer Science, Univ. of Illinois, Champagne - Urbana
22	Content Networking with the Helix Platform, RealNetworks White Paper Series, July 2002
23	PESS, C., Media Streaming Protocol: An Adaptive Protocol for the Delivery of Audio and Video Over the Internet", 1998, Univ. of Illinois, Champagne-Urbana
24	KOSER, R., "Design of a Multimedia Player with Advanced QoS Control", January 1997, Oregon Graduate Institute of Science and Technology
25	NARASIMHA, R. et al. "I/O Issues in a Multimedia System", Computer, Vol. 27, No. 3, pg 69-74, March 1994, USA
26	RAMAKRISHNAN, K.K. et al; "Operating system Support for a video-on-demand file service", Multimedia Systems, Vol. 3, No. 2, Pg. 53-65, 1995 West Germany
27	NWOSU, K.C. et al; "Data Allocation and Spatio-Temporal Implications for Video-on-Demand Systems", Proceedings of 1995 14th Annual Phoenix Conference on Computers and Communications, (Cat. No.95CH35751), pg. 629-35; IEEE, 1995 USA
28	EUN, S., et al; "Nonpreemptive scheduling algorithms for multimedia communication in local area networks", Proceedings 1995 Int'l Conf on Network Protocols (Cat. no.: 95TB8122) pg. 356-IEEE Comput. Soc. Press; 1995 Los Alamitos, CA USA 1996
29	NAKAJIMA, T.; "A Dynamic QoS control based on Optimistic processor reservation", Proceedings of the Int'l conf. on Multimedia Computing and Systems (Cat. No.: 96TB100057), pg. 95-103, IEEE Comp. Soc. 1996, Los Alamitos, CA
30	Orji, C.U. et al; "Spatio-temporal effects of multimedia objects storage delivery on video-on-demand systems", Multimedia Systems, vol. 5, no. 1, pg 39-52, Springer-Verlag, January 1997, Germany
31	KENCHAMMANA-HOSEKOTE, D.R., et al.; "I/O scheduling for digital continuous media", Multimedia Systems, vol. 5, no.4, pg 713-37, Springer-Verlag, July 1997 Germany
32	MATSUY, Y et al.; "VoR: a network system framework for VBRT over reserved bandwidth", Interactive Distributed Multimedia Systems and Telecommunications Services, 4th Int'l Workshop, IDMS '97 Proceedings, pg 189-98, Springer-Verlag; 1997, Berlin, Germany
33	LULING, R. et al.; "Communication Scheduling in a Distributed memory parallel interactive continuous media server system", Proceedings of 1998 ICPP Workshop on Architectural systems and OS Support for Multimedia Applications Flexible Communications Systems, Wireless Networks and Mobile Computing, (Cat. no. 98EX206) pg 56-65; IEEE Comput. Soc, 1998 Los Alamitos, CA USA
34	SEONGBAE, E., et al; "A real-time scheduling algorithm for multimedia communication in samll dedicated multimedia systems", KISS(A) (Computer Systems and Theory) vol 25, no.5, pg492-502; Korea Inf. Sci. Soc; May 1998, South Korea, 1999
35	GAROFALAKIS, M.N., et al. "Resource scheduling in enhanced pay-per-view continuous media databases", Proceedings of 23rd Int'l Conf. on Very Large Databases", pg 516-25; Morgan, Kaufman Publishers, 1997, San Francisco, CA USA 1999
36	MOSTEAOUI, A.; "Exploiting data structures in a high performance video server for TV archives", Proceedings of the Int'l Symposium on Digital Media information Base, pg 516-25, World Scientific, 1999 Singapore
37	GAROFALAKIS, M.N., "On periodic resource scheduling for continuous media databases: VLDB Journal, Vol 7, no.4, pg 206-25; 1998 Springer Verlag, germany 1999
38	HWEE-HWA, P., et al; "Resource Scheduling In A High Performance Multimedia Server," March-April 1999, IEEE, USA.
39	YOUNG-UHG, L. et al; "Performance analysis and evaluation of allocating subbanded video data block on MZR disk arrays", Proceedings of the High Performance Computing (HPC98) pg 335-40, Soc for Comp Simulation Int'l 1998, San Diego, CA, USA
40	FENG, C. et al.; "An architecture of distributed media servers for supporting guaranteed QoS and media indexing", IEEE Int'l Conf on Multimedia Computing and Systems, Part vol. 2 IEEE Comp. Soc. 2 vol. 1999 Los Alamitos, CA 1999
41	TO, T.-P.J. et al "Dynamic optimization of readsize in hypertext servers", IEEE Int'l Conf on Multimedia Computing and Systems; Part vol. 2, pg 486-91, Pub. IEEE Comput. Soc, 2 vol. 1999 Los Alamitos, CA USA

	42	LEE, W. et al., "QoS adaptive bandwidth scheduling in continuous media streaming", Information and Software Technology, v.44n, June 2002, pg 554-563.
/AB/	43	WADDINGTON, D.G., "Resource partitioning in general purpose operating systems; experimental results in Windows NT"; Operating Systems Review, vol. 33, no4, pg52-74; ACM, October 1999, USA
	44	DITZE, M. et al. "A method for real-time scheduling and admission control of MPE 2 streams; PART 2000; 7th Australian Conference on Parallel and Real-Time Systems", Nov. 2000, Sydney, NSW, Australia, Pub: Springer-Verlag, Hong Kong, China 2001
	45	GAROFALAKIS, M., et al, "Competitive Online scheduling of continuous media streams", Journal of Computer and Systems Sciences; vol64, no2 pg 219-48, Academic Press, March 2002 USA
	46	WONJON, L. et al. : "QoS-adaptive bandwidth scheduling in continuous media streaming" Dept of Computer Sci and Engr, Korea University, Seoul, South Korea; Information and Software Technology, vol 44, no9, pg551-53, Seoul, Korea
	47	MOURLAS, C.; "Deterministic scheduling of ORR and VBR media flows on parallel media servers", Euro-Par 2002 Parallel Processing 8th Intl Euro-Par Conference Proceedings; Vol 2400, pg 807-15, August 2002, Paderborn, Germany 2003
	48	BUFORP, J.F.; "Storage server requirements for delivery of hypermedia documents", Proceedings of the SPIE - The International Society for Optical Engineering Conference, Int. Soc. Opt. Eng. vol2417, pg 346-55, 1995

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

/Alicia Baturay/

03/24/2008